

**SYSTEM AND METHOD OF ESTABLISHING AN ELECTRICAL CONNECTION
BETWEEN AN IMPLANTED LEAD AND AN ELECTRICAL CONTACT**

ABSTRACT OF THE DISCLOSURE

5 An electrical contact to electrically couple epidural stimulation leads to a tissue stimulation device. This electrical contact includes a conductive disc having an inner aperture that is electrically and operably coupled to the tissue stimulation device. A number of conducted projections extend
10 inward from the inner aperture of the disc and flex elastically to receive an epidural stimulation lead. These conductive projections electrically couple with a number of terminals within the epidural stimulation lead. Tension exerted by flexing the conducted projections maintains the epidural stimulation lead in
15 a relatively fixed position relative to the electrical contact. A number of projections at the outer perimeter of the conductive disc electrically and operably couple the conductive disc to a conductive housing wherein the conductive housing is electrically and operably coupled to the tissue stimulation device.